

August 1, 2016



Mr. Doug Lansing
Rainier Commons
918 S. Horton Street, Suite 101
Seattle, WA 98134

Re: **NVL Batch 1615447.00**

Project Name/Number: 2012-494

Project location: 3100 Airport Way S. Seattle, WA 98134

Dear Mr. Lansing,

Enclosed please find test results for samples submitted to our laboratory for analysis. Preparation and analysis of these samples were conducted in accordance with published industry standards and methods specified on the attached analytical report.

The content of this package consists of the following:

- Case Narrative & Definition of Data Qualifiers
- Analytical Test Results
- Applicable QC Summary
- Client Chain-of-Custody (CoC)
- NVL Receiving Record

The report is considered highly confidential and will not be released without your approval. Samples are archived for two weeks following analysis. Samples that are not retrieved by the client will be discarded after two weeks.

Thank you for using our laboratory services. If you need further assistance, please contact us at 206-547-0100 or 1-888-NVLLABS.

Sincerely,

A handwritten signature in black ink, appearing to read "Nick Ly".

Nick Ly, Technical Director

Enclosure: Sample Results

Phone: 206.547.0100 | Fax: 206.634.1936 | Toll Free: 1.888.NVL.LABS (685.5227)
4708 Aurora Avenue North | Seattle, WA 98103

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from Rainier Commons, LLC for Project number: 2012-494. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported in micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) for PCB samples as shown on the analytical reports.



Definition Appendix

Terms

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
LFS	Laboratory Fortified Spike
Limits	The upper and lower control limits for spike recoveries.
LN	Quality control sample is outside of control limits. This analyte was not detected in the sample.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology



Definition Appendix

Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SMI	Surrogate has matrix interference.
Spike Conc.	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
ug	Microgram
ug/m3	microgram per cubic meter

ORGANICS LABORATORY SERVICES



Company Rainier Commons, LLC
Address 918 S. Horton Street, Suite 101
 Seattle, WA 98134
Project Manager Mr. Doug Lansing
Phone (206) 447-0263
Cell (b) (6)

NVL Batch Number 1615447.00
TAT 1 Day **AH** No
Rush TAT
Due Date 7/29/2016 **Time** 8:00 AM
Email lansinghomes@aol.com
Fax (206) 447-0299

Project Name/Number: 2012-494

Project Location: 3100 Airport Way S. Seattle, WA 98134

Subcategory Quantitative analysis

Item Code ORG-01

Method NIOSH 5503 PCB Aroclors <Air>

Total Number of Samples 3

Rush Samples

	Lab ID	Sample ID	Description	A/R
1	16247709	0726-16-1		A
2	16247710	0726-16-2		A
3	16247711	0726-16-3		A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Drop Box				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Maxwell Raymond		NVL	7/28/16	800
Analyzed by	Shalini Patel		NVL	7-28-16	1600
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					

Special Instructions:

Entered By: Maxwell Raymond

Date: 7/28/2016

Time: 8:58 AM

1 of 1

RCLLC 0009405

ANALYSIS REPORT

Polychlorinated Biphenyls in Air



Client	Rainier Commons	Samples Received*	3
SDG Number	1615447.00	Analyzed By	Shalini Patel
Date Reported	08/01/2016	Samples Analyzed*	3
Project Number	2012-494	Analysis Method	5503
Location	3100 Airport Way S. Seattle, WA 98134	Preparation Method	5503PR

* for this test only

Sample Number	0726-16-1	Received	07/28/2016
Lab Sample ID	16247709	Matrix	Air
Initial Sample Size	427 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.094	< 0.094	07/28/2016
Aroclor-1221	0.094	< 0.094	07/28/2016
Aroclor-1232	0.094	< 0.094	07/28/2016
Aroclor-1242	0.094	< 0.094	07/28/2016
Aroclor-1248	0.094	< 0.094	07/28/2016
Aroclor-1254	0.094	< 0.094	07/28/2016
Aroclor-1260	0.094	< 0.094	07/28/2016
PCBs, Total	0.094	<0.094	07/28/2016
<i>Comments: 15-200 EAST</i>			

Sample Number	0726-16-2	Received	07/28/2016
Lab Sample ID	16247710	Matrix	Air
Initial Sample Size	424 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.094	< 0.094	07/28/2016
Aroclor-1221	0.094	< 0.094	07/28/2016
Aroclor-1232	0.094	< 0.094	07/28/2016
Aroclor-1242	0.094	< 0.094	07/28/2016
Aroclor-1248	0.094	< 0.094	07/28/2016
Aroclor-1254	0.094	< 0.094	07/28/2016
Aroclor-1260	0.094	< 0.094	07/28/2016
PCBs, Total	0.094	<0.094	07/28/2016
<i>Comments: 15-200 WEST</i>			

ANALYSIS REPORT

Polychlorinated Biphenyls in Air



Sample Number	0726-16-3	Received	07/28/2016
Lab Sample ID	16247711	Matrix	Air
Initial Sample Size	417 L	Units of Result	ug/m3

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.096	< 0.096	07/28/2016
Aroclor-1221	0.096	< 0.096	07/28/2016
Aroclor-1232	0.096	< 0.096	07/28/2016
Aroclor-1242	0.096	< 0.096	07/28/2016
Aroclor-1248	0.096	< 0.096	07/28/2016
Aroclor-1254	0.096	< 0.096	07/28/2016
Aroclor-1260	0.096	< 0.096	07/28/2016
PCBs, Total	0.096	<0.096	07/28/2016

Comments: 15-200 EAST



Quality Control Results

Project Number:	2012-494	SDG Number:	1615447
		Project Manager:	Doug Lansing
QC Batch(es):	Q460	Analysis Method:	5503
QC Batch Method:	5503PR	Analysis Description:	Polychlorinated Biphenyls in Air
Preparation Date:	07/28/2016		
Blank: BLK-1615447			

Analyte	Blank Result	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	ug/m3	1	0.040	0.04	
Aroclor-1221	ND	ug/m3	1	0.040	0.04	
Aroclor-1232	ND	ug/m3	1	0.040	0.04	
Aroclor-1242	ND	ug/m3	1	0.040	0.04	
Aroclor-1248	ND	ug/m3	1	0.040	0.04	
Aroclor-1254	ND	ug/m3	1	0.040	0.04	
Aroclor-1260	ND	ug/m3	1	0.040	0.04	
PCBs, Total	ND	ug/m3	1	0.040	0.04	
<i>Surrogates:</i>				% Rec		
Tetrachloro-m-xylene			1	110	40-140	
Decachlorobiphenyl			1	111	40-140	

Lab Control Sample: LCS-1254-1615447

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	180	ug/m3	1	200	90	40-140	
<i>Surrogates:</i>							
Tetrachloro-m-xylene			1		98	40-140	
Decachlorobiphenyl			1		105	40-140	

Lab Control Sample: LCS-1016+1260-1615447

Lab Control Sample Duplicate: LCS Dup-1016+1260

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	182	ug/m3	1	200	91	40-140			
	186			200	93	40-140	2	50	
Aroclor-1260	184	ug/m3	1	200	92	40-140			
	180			200	90	40-140	2	50	
<i>Surrogates:</i>									
Tetrachloro-m-xylene			1		110	40-140			
					111	40-140			
Decachlorobiphenyl			1		113	40-140			
					113	40-140			

Surrogate Recovery Summary Report

Client <u>Rainier Commons</u>			SDG Number <u>1615447</u>	
Project <u>2012-494</u>				
Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
0726-16-1	16247709	Decachlorobiphenyl	123%	40-140
0726-16-1	16247709	Tetrachloro-m-xylene	106%	40-140
0726-16-2	16247710	Decachlorobiphenyl	115%	40-140
0726-16-2	16247710	Tetrachloro-m-xylene	102%	40-140
0726-16-3	16247711	Decachlorobiphenyl	122%	40-140
0726-16-3	16247711	Tetrachloro-m-xylene	101%	40-140
BLK-1615447	BLK-1615447	Decachlorobiphenyl	111%	40-140
BLK-1615447	BLK-1615447	Tetrachloro-m-xylene	110%	40-140
LCS Dup-1016+1260	LCS Dup-1016+1260	Decachlorobiphenyl	113%	40-140
LCS Dup-1016+1260	LCS Dup-1016+1260	Tetrachloro-m-xylene	111%	40-140
LCS-1016+1260-1615447	LCS-1016+1260-1615447	Decachlorobiphenyl	113%	40-140
LCS-1016+1260-1615447	LCS-1016+1260-1615447	Tetrachloro-m-xylene	110%	40-140
LCS-1254-1615447	LCS-1254-1615447	Decachlorobiphenyl	105%	40-140
LCS-1254-1615447	LCS-1254-1615447	Tetrachloro-m-xylene	98%	40-140

* Recovery outside limits

INITIAL AND CONTINUING CALIBRATION VERIFICATIONSDG No: **1615447**Contract: **N/A**Determination: **5503 PCB Aroclors <Air>**

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R000453	CCV1-1016-1260	PCB_2016-1-10	07/28/2016	Aroclor-1016	0.1	0.108	ug/mL	108	80-120
		PCB_2016-1-10	07/28/2016	Aroclor-1260	0.1	0.113	ug/mL	113	80-120
	CCV1-1254	PCB_2016-1-11	07/28/2016	Aroclor-1254	0.1	0.111	ug/mL	111	80-120
	ICV 1016-1254-1260	PCB_2016-1-15	07/28/2016	Aroclor-1016	0.1	0.089	ug/mL	89	85-115
		PCB_2016-1-15	07/28/2016	Aroclor-1254	0.1	0.091	ug/mL	91	85-115
		PCB_2016-1-15	07/28/2016	Aroclor-1260	0.1	0.089	ug/mL	89	85-115
	CCV2 -1016-1260	PCB_2016-1-10	07/28/2016	Aroclor-1016	0.1	0.101	ug/mL	101	80-120
		PCB_2016-1-10	07/28/2016	Aroclor-1260	0.1	0.111	ug/mL	111	80-120
	CCV2-1254	PCB_2016-1-11	07/28/2016	Aroclor-1254	0.1	0.104	ug/mL	104	80-120

% Rec = Percent recovery

* = Percent recovery not within control limits

NVL Laboratories, Inc.

4708 Aurora Ave N, Seattle, WA 98103

Tel: 206.547.0100 Emerg. Call: 206.914.4848

Fax: 206.634.1936 1.888.NVL.LABS (685.5227)

CHAIN of CUSTODY SAMPLE LOG

1615447

Client: RAINIER COMMONS LLC
Street: 918 S HORTON ST.
SEATTLE WA
Project Manager: DOUG LANSING
Project Location: 3100 AIRPORT WAYS
SEATTLE WA 98134

NVL Batch Number: 2012-494
Client Job Number: 3
Total Samples: 3
Turn Around Time: ☐ 1-Hr ☐ 8-Hrs ☐ 2 Days ☐ 5 Days
☐ 2-Hrs ☐ 12-Hrs ☐ 3 Days ☐ 6-10 Day
☒ 4-Hrs ☒ 24-Hrs ☐ 4 Days
Please call for TAT less than 24 Hrs
Email address: _____

Phone:

Fax:

<input type="checkbox"/> Asbestos Air	<input type="checkbox"/> PCM (NIOSH 7400)	<input type="checkbox"/> TEM (NIOSH 7402)	<input type="checkbox"/> TEM (AHERA)	<input type="checkbox"/> TEM (EPA Level II)	<input type="checkbox"/> Other
<input type="checkbox"/> Asbestos Bulk	<input type="checkbox"/> PLM (EPA/800/R-93/118)	<input type="checkbox"/> PLM (EPA Point Count)	<input type="checkbox"/> PLM (EPA Gravimetry)	<input type="checkbox"/> TEM BULK	
<input type="checkbox"/> Mold/Fungus	<input type="checkbox"/> Mold Air	<input type="checkbox"/> Mold Bulk	<input type="checkbox"/> Rotometer Calibration		
METALS	Det. Limit	Matrix	RCRA Metals	<input type="checkbox"/> All 8	Other Metals
<input type="checkbox"/> Total Metals	<input type="checkbox"/> FAA (ppm)	<input type="checkbox"/> Air Filter	<input type="checkbox"/> Arsenic (As)	<input type="checkbox"/> Chromium (Cr)	<input type="checkbox"/> All 3
<input type="checkbox"/> TCLP	<input type="checkbox"/> ICP (ppm)	<input type="checkbox"/> Drinking water	<input type="checkbox"/> Barium (Ba)	<input type="checkbox"/> Lead (Pb)	<input type="checkbox"/> Copper (Cu)
<input type="checkbox"/> Cr 6	<input type="checkbox"/> GFAA (ppb)	<input type="checkbox"/> Dust/wipe (Area)	<input type="checkbox"/> Cadmium (Cd)	<input type="checkbox"/> Mercury (Hg)	<input type="checkbox"/> Nickel (Ni)
<input checked="" type="checkbox"/> Other Types of Analysis	<input type="checkbox"/> Fiberglass	<input type="checkbox"/> Silica	<input type="checkbox"/> Nuisance Dust	<input type="checkbox"/> Respirable Dust	<input checked="" type="checkbox"/> Other (Specify) <u>PCB AIR</u>

Condition of Package: ☐ Good ☐ Damaged (no spillage) ☐ Severe damage (spillage)

Seq. #	Lab ID	Client Sample Number	Comments (e.g. Sample are, Sample Volume, etc)	A/R
1		0727-16-1	15-200 EAST	
2		0727-16-2	15-200 WEST	
3		0727-16-3	15-200 -EAST	
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

	Print Below	Sign Below	Company	Date	Time
Sampled by	<u>DOUG LANSING</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7-27-16</u>	<u>1816</u>
Relinquished by	<u>DAVE LEONARD</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7-28-16</u>	<u>800hr</u>
Received by	<u>[Signature]</u>	<u>[Signature]</u>	<u>NVL</u>	<u>7-28-16</u>	<u>1600</u>
Analyzed by	<u>[Signature]</u>	<u>[Signature]</u>			
Results Called by					
Results Faxed by					

Special Instructions: Unless requested in writing, all samples will be disposed of two (2) weeks after analysis.

1615447

#1

Rainier Commons Exterior Paint Removal Project

Air Sample Data Sheet

(Note Date, Report # and Page # on each sheet)

Date 07-26-16 Daily Report #: PHASE II

Sample ID	0726-16-1
Contaminant	PCB
Sample Location Description	Loc # 1
Sample Inside/Outside?	I
Start Flow Rate	1.0
End Flow Rate	1.00
Start Time	05:55
End Time	13:02
Total Time	
Total Volume	
Notes -Including adjacent activities	

SAMPLERSignature Date 7-26-16

1615447

#2

Rainier Commons Exterior Paint Removal Project

Air Sample Data Sheet

(Note Date, Report # and Page # on each sheet)

Date 07-26-16 Daily Report #: PHASE II

Sample ID	0726-16-2
Contaminant	PCB
Sample Location Description	Loc # 2
Sample Inside/Outside?	I
Start Flow Rate	1.0
End Flow Rate	1.0
Start Time	05:58
End Time	13:02
Total Time	
Total Volume	
Notes -Including adjacent activities	

SAMPLERSignature Date 7-26-16

#3

1615447

Rainier Commons Exterior Paint Removal Project

Air Sample Data Sheet

(Note Date, Report # and Page # on each sheet)

Date

07-26-16

Daily Report #:

Phase II

Sample ID	0726-16-3
Contaminant	PCB
Sample Location Description	Loc #3
Sample Inside/Outside?	I
Start Flow Rate	1.0
End Flow Rate	1.0
Start Time	06:08
End Time	13:05
Total Time	
Total Volume	
Notes -including adjacent activities	

SAMPLER

Signature



Date

7-26-16

Shalini Patel

From: Client Services
Sent: Friday, July 29, 2016 10:04 AM
To: Nick Ly; Shalini Patel; Evelyn Ahulu
Subject: FW: Your completed NVL Draft Report document: 2012-494 3100 Airport Way S Seattle, WA 98134

I've made the changes to the sample id's as requested below. Please make sure the final report reflects the updated sample id's.

Thanks and regards,

Maxwell Raymond
Office Supervisor
NVL Laboratories, Inc.

Email: mxwllr1@nvlabs.com



4708 Aurora Ave N
Seattle, WA 98103
1.888.NVL.LABS (685.5227)
Tel: 206.547.0100
Fax: 206.634.1936
www.nvlabs.com

Please consider the environment before printing this email message.

Disclaimer:

This message contains confidential information and is intended only for the individual named. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake. If you are not the named addressee you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake.

From: Doug Lansing [<mailto:lansinghomes@aol.com>]
Sent: Friday, July 29, 2016 9:51 AM
To: Client Services <ClientServices@nvlabs.com>; Dave Leonard <Dave.L@nvlabs.com>
Subject: Re: Your completed NVL Draft Report document: 2012-494 3100 Airport Way S Seattle, WA 98134

Thank you for the draft results. When publishing the final results, please revise the client sample number to 0726-16-x, to match the Air Sample Data Sheets. They were incorrectly recorded as 0727-16-x on the COC.

Thanks;

Doug

-----Original Message-----

From: clientservices@nvlabs.com
To: lansinghomes@aol.com; dave.l@nvlabs.com
Sent: Fri, Jul 29, 2016 9:10 am
Subject: Your completed NVL Draft Report document: 2012-494 3100 Airport Way S Seattle, WA 98134

Your requested analysis is complete, please see the attached document:

Client Job Number: 2012-494
NVL Labs Batch ID: 1615447
Company Name: Rainier Commons, LLC